

[illegible]

<120> Compounds that Bind HER2

<141> 2000-06-30

<151> 1999-07-02

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<211> 20

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Leu Cys Ala Trp Cys
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Leu Cys Ser Trp Cys
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 $\langle 210 \rangle$ 3

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Leu Gln Ala Cys Leu
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Arg Thr Glu Glu Gln Trp Gly Cys Ile Gly Pro Gly Cys Arg Cys
1 5 10 15

Leu Leu Ser Cys Leu
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Phe Ala Gly Glu Ser Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys
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Leu Ile Gly Cys Leu
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Leu Leu Ala Cys Leu
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Arg Pro His Glu Pro Trp Gly Cys Ile Gly Pro Gly Cys Ser Cys
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1 5 10 15
Cys Leu

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1 5 10 15
Cys Leu

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1 5 10 15
Cys Leu

<210> 22
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Cys Leu

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Cys Ile

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Cys Leu

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Cys Leu

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1 5 10 15

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Leu

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Leu

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Leu

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Gly Gly Trp Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Arg Tyr
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Leu

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Leu

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Trp Trp Thr Glu Arg Trp Gly Cys Ile Gly Pro Gly Cys Ser Met
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Leu

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<222> 1, 3, 17-20
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1 5 10 15
Leu Xaa Xaa Xaa Xaa
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Leu

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Ser Pro Trp Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Arg Trp
1 5 10 15
Leu

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Arg Gly Trp Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Ser Phe
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Leu

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<222> 1-2, 5, 14-15, 17-20
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1 5 10 15
Leu Xaa Xaa Xaa Xaa
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Cys Gly Leu Gly Cys Gly Leu Val Val Asn Ala Cys
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Cys Ala Trp Val Ser Phe Glu Cys Gly Gly Glu Val Trp His Cys
1 5 10 15
Cys Gly Leu Gly Cys Gly Trp Val Trp Lys Ala Cys
20 25

<210> 47
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1 5 10 15
Cys Gly Pro Gly Cys Gly Leu Val Val Asn Ala Cys
20 25

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<400> 52
Cys Ser Trp Val Ser Leu Gln Cys Gly Gly Glu Trp Trp His Cys
1 5 10 15
Cys Gly Gly Gly Cys Gly Trp Val Val Asn Val Cys
20 25

<210> 53
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<400> 53
Cys Ser Trp Val Leu Leu His Cys Gly Gly Glu Trp Trp His Cys
1 5 10 15
Cys Gly Gly Gly Cys Gly Trp Val Gly Glu Ala Cys
20 25

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1 5 10 15
Cys Gly Leu Gly Cys Gly Trp Val Ala Asp Ala Cys
20 25

Val Phe Gly Ala His
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Leu Phe Asp Ala His
20

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Leu Phe Gly Ala His
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Leu Leu Glu Ala His
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Ser Glu Val Glu Val Trp His Cys Ile Gly Pro Gly Cys Val Tyr
1 5 10 15

<210> 67

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<400> 67

Leu Phe Ala Gly His
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<210> 68

<212> PRT

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<400> 68

Leu Phe Glu Ala Phe
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<210> 69

<212> PRT

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<400> 69

Leu Phe Glu Ala His
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Leu	Thr	Cys	Leu	Val 140	Lys	Gly	Phe	Tyr	Pro 145	Ser	Asp	Ile	Ala	Val 150
Glu	Trp	Glu	Ser	Asn 155	Gly	Gln	Pro	Glu	Asn 160	Asn	Tyr	Lys	Thr	Thr 165
Pro	Pro	Val	Leu	Asp 170	Ser	Asp	Gly	Ser	Phe 175	Phe	Leu	Tyr	Ser	Lys 180
Leu	Thr	Val	Asp	Lys 185	Ser	Arg	Trp	Gln	Gln 190	Gly	Asn	Val	Phe	Ser 195
Cys	Ser	Val	Met	His 200	Glu	Ala	Leu	His	Asn 205	His	Tyr	Thr	Gln	Lys 210
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Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	
				35					40					45	
Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	
				50					55					60	
Pro	Arg	Glu	Glu	Gln	Phe	Asn	Ser	Thr	Phe	Arg	Val	Val	Ser	Val	
				65					70					75	
Leu	Thr	Val	Val	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	
				80					85					90	
Cys	Lys	Val	Ser	Asn	Lys	Gly	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	
				95					100					105	
Ile	Ser	Lys	Thr	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	
				110					115					120	
Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn	Gln	Val	Ser	Leu	
				125					130					135	

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<213> Mus musculus
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Thr	Cys	Val	Val	Val	Asp	Val	Ser	Glu	Asp	Asp	Pro	Asp	Val	His	
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Val	Ser	Trp	Phe	Val	Asp	Asn	Lys	Glu	Val	His	Thr	Ala	Trp	Thr	
				50					55					60	
Gln	Pro	Arg	Glu	Ala	Gln	Tyr	Asn	Ser	Thr	Phe	Arg	Val	Val	Ser	
				65					70					75	
Ala	Leu	Pro	Ile	Gln	His	Gln	Asp	Trp	Met	Arg	Gly	Lys	Glu	Phe	
				80					85					90	
Lys	Cys	Lys	Val	Asn	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Arg	
				95					100					105	
Thr	Ile	Ser	Lys	Pro	Lys	Gly	Arg	Ala	Gln	Thr	Pro	Gln	Val	Tyr	
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Thr	Ile	Pro	Pro	Pro	Arg	Glu	Gln	Met	Ser	Lys	Lys	Lys	Val	Ser	
				125					130					135	
Leu	Thr	Cys	Leu	Val	Thr	Asn	Phe	Phe	Ser	Glu	Ala	Ile	Ser	Val	
				140					145					150	
Glu	Trp	Glu	Arg	Asn	Gly	Glu	Leu	Glu	Gln	Asp	Tyr	Lys	Asn	Thr	
				155					160					165	
Pro	Pro	Ile	Leu	Asp	Ser	Asp	Gly	Thr	Tyr	Phe	Leu	Tyr	Ser	Lys	
				170					175					180	
Leu	Thr	Val	Asp	Thr	Asp	Ser	Trp	Leu	Gln	Gly	Glu	Ile	Phe	Thr	
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Cys	Ser	Val	Val	His	Glu	Ala	Leu	His	Asn	His	His	Thr	Gln	Lys	
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Leu	Gln	Ala	Cys	Leu	
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Leu Gln Ala Cys Leu Gly Gly Gly Ser Gly Gly Gln Val Tyr Glu
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Ser Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys Leu Gln Ala Cys
35 40 45

Leu

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Cys Ala Trp Val Ser Val Glu Cys Gly Gly Glu Trp Trp His Cys
1 5 10 15

Cys Gly Pro Gly Cys Gly Trp Val Val Asp Ala Cys
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<210> 84

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Leu Phe Glu Gly His
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<210> 85

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Leu Gly Phe Gly Tyr
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Leu Cys Ala Trp Cys
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Leu Met Ser Cys Val
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Leu Arg Cys Lys Arg
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<223> More than one possible amino acid

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 <222> 1-7, 9, 14-20
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 Xaa Xaa Xaa Xaa Xaa
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 Xaa Xaa Xaa Xaa Xaa
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 Phe Glu Gly His
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<220>
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Gly Gly Gly Ser Ser Gly
1 5

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<213> Artificial Sequence

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<223> synthetic peptide sequence

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<212> DNA

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<223> Synthetic Oligonucleotide

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<220>

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<212> PRT

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<223> synthetic peptide sequence

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